

Recovery Plan Action Status

Plan Name: Alabama Lamp Pearly Mussel

Plan Status: Final

Plan Date: 02-Jul-85

Lead Agency: USFWS

Lead Office: Alabama Ecological Services Field Office

(441-5181)

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Alabama lampmussel (Lampsilis virescens)	2	1.1.1	Determine L. virescens' present distribution and status	Ongoing Current	Prior to FY 1995		Alabama Department of Conservation and Natural Resources, Tennessee Valley Authority , Tennessee Wildlife Resources Agency , USFWS Regional Office 4 - Atlanta, U.S. Fish and Wildlife Service - Endangered Species Program	Research: Demographic Studies, Research: Habitat Status, Research: Other Information, Research: Population Surveys	Contract, Graduate Student, Internal Field Assistance, Internal Technical Assistance, Species Expert, Volunteer	*1. See General Categories for Implementation Schedules
Alabama lampmussel (Lampsilis virescens)	2	1.1.2	Describe the species' habitat for all life history stages	Ongoing Current	Prior to FY 1995		Tennessee Valley Authority , USFWS Regional Office 4 - Atlanta, U.S. Fish and Wildlife Service - Endangered Species Program	Research: Demographic Studies, Research: Habitat Requirements, Research: Habitat Status, Research: Other Information, Research: Population Surveys, Research: Taxonomic Studies	Contract, Graduate Student, Internal Field Assistance, Internal Technical Assistance, Species Expert, Volunteer	*2. Time allotted under task duration may vary depending upon funding levels and success of the research
Alabama lampmussel (Lampsilis virescens)	3	1.1.3	Disseminate above information to appropriate public and private agencies	Ongoing Current	Prior to FY 1995		Alabama Department of Conservation and Natural Resources, Tennessee Valley Authority , Tennessee Wildlife Resources Agency , USFWS Regional Office 4 - Atlanta, U.S. Fish and Wildlife Service - Endangered Species Program	Other: Administration, Other: Information and Education	Contract, Graduate Student, Internal Administrative, Internal Field Assistance, Internal Technical Assistance, Species Expert, Volunteer	*3. Other agencies' responsibility would be of a cooperative nature or projects funded under a contract or grant program. In some cases contracts could be let to universities or private enterprises.

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Alabama lampmussel (Lampsilis virescens)	1	1.2.1	Solicit cooperation of municipal, state and federal agencies to identify and inventory proposed and future projects that may affect the species and its habitat	Ongoing Current	Prior to FY 1995		Alabama Department of Conservation and Natural Resources, Tennessee Valley Authority , Tennessee Wildlife Resources Agency , USFWS Regional Office 4 - Atlanta, U.S. Fish and Wildlife Service - Endangered Species Program	Management: Habitat Maintenance and Manipulation, Management: Land Use, Management: Planning, Other: Administration, Other: Information and Education, Other: Regulations, Research	Internal Administrative, Internal Field Assistance, Internal Technical Assistance	*4. Note: Task costs have not been estimated for this plan. This species' present distribution coincides with that of four other endangered mussels (Toxolasma cylindrell, Fusconaia edgariana, Fusconaia cuneolus, and Lampsilis orbiculata). Thus, a task aimed at this species will benefit others. Rather than attempting to apportion the cost to each species, recovery task will be estimated at a later date when the plans are combined on a watershed basis for implementation.
Alabama lampmussel (Lampsilis virescens)	1	1.2.2	Determine measures needed to minimize and/or eliminate adverse impacts and implement these measures where necessary.	Ongoing Current	Prior to FY 1995		Alabama Department of Conservation and Natural Resources, Tennessee Valley Authority , Tennessee Wildlife Resources Agency , USFWS Regional Office 4 - Atlanta, U.S. Fish and Wildlife Service - Endangered Species Program	Management: Habitat Maintenance and Manipulation, Management: Land Use, Management: Planning, Other: Administration, Other: Information and Education, Other: Regulations, Research: Environmental Contaminants, Research: Habitat Requirements, Research: Habitat Status, Research: Management Techniques, Research: Other Information, Research: Population Surveys	Contract, Graduate Student, Internal Administrative, Internal Field Assistance, Internal Technical Assistance, Species Expert, Volunteer	

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Alabama lampmussel (Lampsilis virescens)	3	1.3.1	Meet with local government officials and regional and local planners to inform them of recovery plans and request their support.	Ongoing Current	Prior to FY 1995		Alabama Department of Conservation and Natural Resources, Tennessee Valley Authority , Tennessee Wildlife Resources Agency , USFWS Regional Office 4 - Atlanta, U.S. Fish and Wildlife Service - Endangered Species Program	Management: General, Management: Habitat Maintenance and Manipulation, Management: Land Use, Management: Planning, Other: Administration, Other: Information and Education, Other: Regulations	Internal Administrative, Internal Field Assistance, Internal Technical Assistance	
Alabama lampmussel (Lampsilis virescens)	1	1.3.2	Encourage State and Federal agencies to utilize their authorities to protect the species and its habitat.	Ongoing Current	Prior to FY 1995		U.S. Fish and Wildlife Service, Law Enforcement Division, Alabama Department of Conservation and Natural Resources, Tennessee Valley Authority , Tennessee Wildlife Resources Agency , USFWS Regional Office 4 - Atlanta, U.S. Fish and Wildlife Service - Endangered Species Program	Management: General, Management: Habitat Maintenance and Manipulation, Management: Land Use, Management: Planning, Other: Administration, Other: Information and Education, Other: Law Enforcement, Other: Regulations	Internal Administrative, Internal Field Assistance, Internal Technical Assistance	
Alabama lampmussel (Lampsilis virescens)	1	1.3.3	Meet with local industry representatives and solicit their support in identifying and mitigating any adverse impacts of their activities on the species and its habitat	Ongoing Current	Prior to FY 1995		Alabama Department of Conservation and Natural Resources, Tennessee Valley Authority , Tennessee Wildlife Resources Agency , USFWS Regional Office 4 - Atlanta, U.S. Fish and Wildlife Service - Endangered Species Program	Management: Habitat Maintenance and Manipulation, Management: Land Use, Management: Planning, Other: Administration, Other: Information and Education, Other: Law Enforcement, Other: Regulations	Contract, Graduate Student, Internal Administrative, Internal Field Assistance, Internal Technical Assistance, Species Expert, Volunteer	

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Alabama lampmussel (Lampsilis virescens)	1	1.3.4	Meet with landowners adjacent to prime habitat for the species and inform them of the recovery objectives and solicit their support for the species and habitat protection.	Ongoing Current	Prior to FY 1995		Alabama Department of Conservation and Natural Resources, Tennessee Valley Authority , Alabama Natural Heritage Program , Tennessee Wildlife Resources Agency , USFWS Regional Office 4 - Atlanta, U.S. Fish and Wildlife Service - Endangered Species Program	Management: Habitat Maintenance and Manipulation, Management: Land Use, Management: Planning, Other: Administration, Other: Information and Education, Other: Regulations	Contract, Graduate Student, Internal Field Assistance, Internal Technical Assistance, Species Expert, Volunteer	
Alabama lampmussel (Lampsilis virescens)	3	1.3.5	Develop and implement an educational program for civic, church, school, and other groups explaining the uniqueness of the species and its habitat and defining their role in the species' protection and recovery	Ongoing Current	Prior to FY 1995		Alabama Department of Conservation and Natural Resources, Tennessee Valley Authority , Tennessee Wildlife Resources Agency , USFWS Regional Office 4 - Atlanta, U.S. Fish and Wildlife Service - Endangered Species Program	Management: Habitat Maintenance and Manipulation, Management: Land Use, Management: Planning, Other: Administration, Other: Information and Education, Other: Regulations	Contract, Graduate Student, Internal Administrative, Internal Field Assistance, Internal Technical Assistance, Species Expert, Volunteer	
Alabama lampmussel (Lampsilis virescens)	2	2	Conduct life history research on the species concerning fish host identification, host fish dispersal, age and growth, reproductive biology longevity, mortality factors, and population dynamics	Ongoing Current	Prior to FY 1995		Tennessee Valley Authority , USFWS Regional Office 4 - Atlanta, U.S. Fish and Wildlife Service - Endangered Species Program	Research: Demographic Studies, Research: Environmental Contaminants, Research: Genetics, Research: Habitat Requirements, Research: Habitat Status, Research: Management Techniques, Research: Other Information, Research: Population Surveys, Research: Propagation, Research: Reintroduction, Research: Taxonomic Studies	Contract, Graduate Student, Internal Field Assistance, Internal Technical Assistance, Species Expert, Volunteer	

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Alabama lampmussel (Lampsilis virescens)	3	3.1	Locate suitable sites for transplants within rivers which meet the environmental and life cycle requirements for survival and reproduction of the species	Ongoing Current	Prior to FY 1995		Alabama Department of Conservation and Natural Resources, Tennessee Valley Authority , Tennessee Wildlife Resources Agency , USFWS Regional Office 4 - Atlanta, U.S. Fish and Wildlife Service - Endangered Species Program	Research: Environmental Contaminants, Research: Habitat Requirements, Research: Habitat Status, Research: Management Techniques, Research: Other Information, Research: Propagation, Research: Reintroduction	Contract, Graduate Student, Internal Field Assistance, Internal Technical Assistance, Species Expert, Volunteer	
Alabama lampmussel (Lampsilis virescens)	3	3.2	Determine a successful method of establishing new populations	Not Started			Tennessee Valley Authority , USFWS Regional Office 4 - Atlanta, U.S. Fish and Wildlife Service - Endangered Species Program	Research: Demographic Studies, Research: Environmental Contaminants, Research: General, Research: Habitat Requirements, Research: Habitat Status, Research: Management Techniques, Research: Other Information, Research: Population Surveys, Research: Propagation, Research: Reintroduction	Contract, Graduate Student, Internal Field Assistance, Internal Technical Assistance, Species Expert, Volunteer	
Alabama lampmussel (Lampsilis virescens)	3	3.3	Implement introductions based upon results of 3.1 and 3.2.	Not Started			Alabama Department of Conservation and Natural Resources, Tennessee Valley Authority , Tennessee Wildlife Resources Agency , USFWS Regional Office 4 - Atlanta, U.S. Fish and Wildlife Service - Endangered Species Program	Research: Reintroduction	Contract, Graduate Student, Internal Field Assistance, Internal Technical Assistance, Species Expert, Volunteer	

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Alabama lampmussel (Lampsilis virescens)	3	4	Investigate the necessity of habitat improvement or establishment and, if feasible and desirable, identify techniques and sites and implement.	Ongoing Current	Prior to FY 1995		Alabama Department of Conservation and Natural Resources, Tennessee Valley Authority , Tennessee Wildlife Resources Agency , USFWS Regional Office 4 - Atlanta, U.S. Fish and Wildlife Service - Endangered Species Program	Management: Habitat Maintenance and Manipulation, Management: Land Use, Management: Planning, Management: Propagation, Management: Reintroduction, Other: Information and Education, Research: Habitat Requirements, Research: Management Techniques, Research: Reintroduction	Contract, Graduate Student, Internal Field Assistance, Internal Technical Assistance, Species Expert, Volunteer	
Alabama lampmussel (Lampsilis virescens)	2	5	Develop and implement a program to monitor population trends and habitat conditions of current and introduced populations	Ongoing Current	Prior to FY 1995		Alabama Department of Conservation and Natural Resources, Tennessee Valley Authority , Tennessee Wildlife Resources Agency , USFWS Regional Office 4 - Atlanta, U.S. Fish and Wildlife Service - Endangered Species Program	Management: Propagation, Management: Reintroduction, Research: Demographic Studies, Research: Genetics, Research: Habitat Status, Research: Management Techniques, Research: Population Surveys, Research: Propagation, Research: Reintroduction	Contract, Graduate Student, Internal Field Assistance, Internal Technical Assistance, Species Expert, Volunteer	
Alabama lampmussel (Lampsilis virescens)	3	6	Evaluate individual recovery actions and overall success of the recovery plan.	Ongoing Current	Prior to FY 1995		USFWS Regional Office 4 - Atlanta, U.S. Fish and Wildlife Service - Endangered Species Program	Management: General, Management: Planning, Other: Administration, Research: Demographic Studies, Research: Habitat Status, Research: Population Surveys	Contract, Graduate Student, Internal Administrative, Internal Field Assistance, Internal Technical Assistance, Species Expert, Volunteer	